

ABSTRACT

5 A device, system and method for diagnosing and treating gastric disorders
is provided. A functional device resides within the patient's stomach and is
secured to the stomach wall by an attachment device. The functional device may
be a sensor for sensing various parameters of the stomach or stomach
environment, or may be a therapeutic delivery device. The functional device in
one embodiment provides a device, system and method for gastric electrical
10 stimulation where stimulating electrodes are secured to the wall of the stomach by
the attachment device or otherwise. A preferred device includes: at least one
stimulating electrode in electrical contact with the stomach wall; an electronics
unit containing the electronic circuitry of the device; and an attachment
mechanism for attaching the device to the stomach wall. The functional devices
15 may be programmed to respond to sensed information or signals. An endoscopic
delivery system delivers the functional device through the esophagus and into the
stomach where it is attached the stomach wall. The endoscopic instruments attach
or remove the attachment devices and functional devices from the stomach and
may be used to assist in determining the optimal attachment location.

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